

CLAIMS

1. A hair treatment composition comprising i) from 0.05 wt.% to 49 wt.% of a disaccharide; and ii) a di-acid.
2. A hair treatment composition according to claim 1 in which the disaccharide has two hexose rings.
3. A hair treatment composition according to any preceding in which the disaccharide is selected from trehalose, cellobiose or mixtures thereof.
4. A hair treatment composition according to any preceding claim in which the disaccharide is trehalose.
5. A hair treatment composition according to any preceding claim in which the di-acid has the formula:  
  

$$\text{HOOC}-(\text{CH}_2)_n-\text{COOH}$$

Where n is an integer from 2 to 8.
6. A hair treatment composition according to claim 5 where n equal to 2 or 4.
7. A hair treatment composition according to any preceding claim, which further comprises a guanidinium, salt.
8. A hair treatment composition according to claim 7 in which the guanidinium salt is a carbonate.

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9. A hair treatment composition according to any proceeding claim further comprising a surfactant.
10. A hair treatment composition according to any  
5 preceding claim comprising an aqueous base.
11. Use of a composition according to any preceding claim for smoothing hair.
- 10 12. Use of a composition according to any one of claims 1 to 9 for aligning hair.
13. Use of a composition according to any one of claims 1 to 9 for preventing damage to the hair.
- 15 15. A method of treating hair by applying a composition according to any one of claims 1 to 9 to the hair.